BRUHAT BANGALORE MAHANAGARA PALIKE
EXCECUTIVE ENGINEER DASARAHALLI PROJECT DIVISION

(38)

Name of work: Construction of ward Office in Mallasandra sy No. 33 in ward No. 13 Mallasandra project sub division. Dasarahalli zone

JOB NUMBER.:

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Est. Amount Quantity	50.00 Rate in Rs.	Lakhs Amount in Rs.
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of thorney jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2(Item No.18.12, Page No.136, SR:2016-17)								
	ward Office								
	Built Site Area	Sqm	1	30.00	6.00		180.00		
						Total Qty	**180.00**	**9.72**	**1749.60**
2	Excavation in Soil with Dozer KSRRB M300-11. Excavation for road way in all types of soil by mechanical means including cutting and pushing the earth to site of embankment including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections complete as per specifications. MORTH Specification No. 301 (Item No.19.11, Page No.143, SR: 2016-17)								
	ward Office								
	Built Site Area	Cum	1	30.00	6.00	0.20	36.00		
						Total Qty	**36.00**	**73.44**	**2643.84**
3	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavatedsurface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a)/2.3.1 (Item No.2.1, Page No.5, SR: 2016-17)								
	ward Office								
	Built Site Area	Cum	1	20.00	5.00	1.00	100.00		
						Total Qty	**100.00**	**169.56**	**16956.00**
4	KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murrum with ail lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications, including cost of earth, watering charges & compaction by vibratory roller to 97% of proctors density)MORTH Specification No. 305 (Item No.19.62, Page No.148, SR: 2016-17)								
	ward Office								
	Built Site Area	Cum	1	20.00	5.00	1.00	100.00		
						Total Qty	**100.00**	**357.48**	**35748.00**
5	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches1.5m and above in width, in ordinary soill not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m.after breaking of clods complete as per specifications,specification. No. KBS 2.1(b)/2:3.5 (I.No:2.3, P.No:5, SR 2016-17)								
	ward Office								
	Footing Foundation	Cum							
	Raft Footing		1	20.00	5.00	3.00	300.00		
						Total Qty	**300.00**	**204.12**	**61236.**
6	KSRB 2.14-1: Extra for additional lift of 1.5m. or part thereof for excavation In loose / soft or hard rock including cost of materials, labour complete as per specifications, specification. No. KBS (I.No:2.22, P.No:7, SR 2016-17)								
	ward Office								
	Footing Foundation	Cum							
	Raft Footing		1	20.00	5.00	1.50	150.00		
						Total Qty	**150.00**	**23.76**	**356**
7	KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier underand around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (I.No:3.2, P.No:9, SR 2016-17)								
	ward Office								
	Footing Foundation	Sqm							
	Raft Footing		1	20.00	5.00		100.00		
						Total Qty	**100.00**	**111.24**	**11**

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
8	Providing pressure grouting for construction joints with cement grout point mixed with plasticised expanding grout admixture at 225 grams/bag of cement conforming to BS:8110 p a r ti-1985, Section 8,9,4.6. (Item No.3.6, Page No.277, SR: 2016-17)								
	ward Office								
	Footing Foundation								
	For One Sqm 10 Points	Point							
	Raft Footing		1	20.00	5.00		1000.00		
						Total Qty	**1000.00**	102.60	102600.00
9	KSRB 2.8 : Providing and Filling in foundation with granite / trap cum broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m.and lift of 1.5m,complete as per specifications,(PWP,IWTD) SR Bangalore Circle 2014. specification. No. KBS (I.No:2.15, P.No:6, SR 2016-17)								
	ward Office								
	Footing Foundation								
	Raft Footing	Cum	1	20.00	5.00	0.45	45.00		
						Total Qty	**45.00**	2283.12	102740.40
10	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I.No:4.2, P.No:12, SR 2016-17)								
	ward Office								
	SSM Foundation								
	Wall		1	55.55	1.00	0.15	8.33		
	Footing Foundation								
	Raft Footing		1	20.00	5.00	0.15	15.00		
	Flooring								
	Room 1		1	3.65	3.54	0.15	1.94		
	Toilet		1	3.60	1.31	0.15	0.71		
	Staircase Room	Cum	1	3.60	2.00	0.15	1.08		
	Passage		1	4.27	3.54	0.15	2.27		
	Room 2		1	5.85	3.54	0.15	3.11		
						Total Qty	**32.43**		
	Dedection								
	Column		12	0.45	0.23	0.15	0.19		
						Total Qty	**0.19**		
						Total Qty	**32.25**	5449.68	175727.49
11	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (I.No:5.6, P.No:23, SR 2016-17)								
	ward Office								
	SSM Foundation								
	1st Step		1	57.95	0.80	0.40	18.54		
	Wall								
	2nd Step	Cum	1	57.15	0.60	0.40	13.72		
	Wall					**Total Qty**	**32.26**		
	Dedection		12	0.45	0.23	0.80	0.99		
	Column					**Total Qty**	**0.99**		
						Total Qty	**31.27**	4521.96	141385.41
12	KSRB 5.3-3: Providing and constructing granite / trap / basalt size stone masoniy in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13) (I.No:5.9, P.No:23, SR 2016-17)								
	ward Office								
	SSM Foundation								
	3rd Step		1	57.75	0.45	0.40	10.40		
	Wall	Cum				**Total Qty**	**10.40**		
	Dedection		12	0.45	0.23	0.40	0.50		
	Column					**Total Qty**	**0.50**		
						Total Qty	**9.90**	5405.40	53503.73

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
13	KSRB 4.2.1: Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6 (I.No:4.10, P.No:13, SR 2016-17)								
	ward Office								
	Footing Foundation								
	Raft Footing	Cum	1	19.90	4.90	0.45	43.88		
	Cloumn up to plinth level								
	C1		4	0.23	0.45	2.75	1.14		
	C2		8	0.23	0.45	2.75	2.28		
	Plinth Beam								
	PB 1 Wall		1	58.63	0.23	0.40	5.39		
						Total Qty	**52.69**	**6718.68**	**354000.26**
14	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9 (I.No:2.10, P.No:6, SR 2016-17)								
	ward Office								
	50% of Total Earth Excavation	Cum					150.00		
						Total Qty	**150.00**	**137.16**	**20574.00**
15	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications, specification. No. KBS 2.9.9/2.9.10.1/2.1.1 (I.tm No.2.12, P.No.6, SR:2016-17)								
	ward Office								
	Indide Room								
	Room 1		1	3.65	3.54	1.10	14.21		
	Toilet		1	3.60	1.31	1.10	5.19		
	Staircase Room	Cum	1	3.87	2.00	1.10	8.51		
	Passage		1	4.27	3.54	1.10	16.63		
	Room 2		1	5.85	3.54	1.10	22.78		
						Total Qty	**67.32**	**274.32**	**18,467.77**
16	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm cum and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fiHets Etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications, specification No. KBS 4.t, 4.6 (I.No:4.12, P.No:13, SR 2016-17)								
	ward Office								
	Column (plinth to lintle)		4	0.23	0.45	2.10	0.87		
	C1		8	0.23	0.45	2.10	1.74		
	C2								
	Lintel Beam		1	48.66	0.23	0.20	2.24		
	Wall								
	Column (Lintel to roof beam)		4	0.23	0.45	0.80	0.33		
	C1		8	0.23	0.45	0.80	0.66		
	C2								
	Roof Beam		1	58.63	0.23	0.40	5.39		
	Beam 1 Wall		1	2.00	0.23	0.35	0.16		
	Beam 2 staircase		1	19.65	6.00	0.15	17.69		
	Roof Slab								
	Stair Case	Cum	2	2.86	1.00	0.15	0.86		
	Waste Slab for Stair Case (including 2 Flight)		1	2.00	1.00	0.15	0.30		
	Landing		22	1.00	0.25	0.17	0.94		
	Steps for Stair Case								
	Head room		1	15.28	0.23	0.20	0.70		
	Lintel		4	0.23	0.45	2.90	1.20		
	C1		1	15.28	0.23	0.40	1.41		
	Beam 3		1	4.10	6.00	0.15	3.69		
	Roof Slab Head Room					**Total Qty**	**38.17**		

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ಲೆಕ್ಕಗಳು Accounts	ಆಯವ್ಯಯ ಅಂದಾಜುಗಳು Budget Estimates	Revised Estimates 2016-17	ರಾಜಸ್ವ Revenue	ಬಂಡವಾಳ Capital	Total
				300.00	300.00

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Construction of ward Office in Mallasandra sy No. 33 in ward No. 13 Mallasandra project sub division. Dasarahalli zone

Detailed Estimate

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Deduction								
	Stair Case Area								
			1	3.64	2.00	0.15	1.09		
						Total Qty	1.09		
17	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (I.No:4.19, P.No:14, SR 2016-17)						Total Qty	37.08	6876.36	254977.90
	ward Office								
	Chajja								
	Door D								
	Window W	Sqm	2	1.20	0.60		1.44		
	Ventilator V		5	1.80	0.60		5.40		
			1	1.10	0.60		0.66		
						Total Qty	7.50	492.48	3693.60
18	Providing RCC loft (atta) 7.5cms thick with cement concrete design mix M20 using clean granite or trap jeiiy of 20mm and down size with necessary reinforcements at 20cms centre to centre as per design including form work, centring, curing, etc., complete (exclusive of cost of steel and fabrication charges). (I.No:4.54, P.No:12, SR 2016-17)								
	ward Office								
	RCC Loft								
	Room 1								
	Room 2	Sqm	1	7.19	0.60		4.31		
			1	15.19	0.60		9.11		
						Total Qty	13.43	486.00	6526.01
19	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I.No:4.6, P.No:12, SR 2016-17)								
	ward Office								
	Cills								
	Window w		6	1.50	0.23	0.05	0.10		
	Ventilator V	Cum	1	0.90	0.60	0.05	0.03		
	SSM Foundation								
	Wall		1	57.75	0.45	0.10	2.60		
						Total Qty	2.73	5876.28	16037.84
20	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (I.No:4.28, P.No:15, SR 2016-17)								
	ward Office								
	Footing foundation								
	Raft Footing	Sqm	1	49.60		0.55	27.28		
						Total Qty	27.28	249.48	6805.81
21	KSRB 2.7 : Providing and removing shoring and strutting for protecting the sides of foundation trenches, wherever required, including cost of all materials and labour complete as per specifications, specification. No. KBS 2.5/ 2.13 (I.No:2.14, P.No:6, SR 2016-17)								
	ward Office								
	Footing Earth Sliding								
	Raft Footing	Sqm	1	51.00		3.00	153.00		
						Total Qty	153.00	564.84	86420.52
22	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, . propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.No:4.32, P.No:16, SR 2016-17)								
	ward Office								
	Column								
	C1	Sqm	4	1.36		8.55	46.51		
	C2		8	1.36		5.65	61.47		
						Total Qty	107.98	395.28	42,683.92
23	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. Specification No. KBS 4.6.2 (I.No:4.18, P.No:15, SR 2016-17)								
	ward Office								
	Roof Slab		1	19.65	6.00		117.90		
	Roof Slab Head Room		1	4.10	6.00		24.60		
	Stair Case Landing		1	2.00	1.00		2.00		
		Sqm				Total Qty	144.50		

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Deduction								
	Stair Case Area								
			1	3.64	2.00		7.28		
						Total Qty	7.28		
						Total Qty	137.22	338.04	46,385.85
24	KSRB 4-6.9 Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.No:4.36, P.No:16, SR 2016-17)								
	ward Office								
	Cills								
	Window W	Sqm	12	1.50		0.15	2.70		
	Ventilator V		2	0.90		0.15	0.27		
	Roof Slab Edges		1	51.30		0.15	7.70		
	Roof Slab Head Room		1	20.20		0.15	3.03		
	Stair Case Area		1	11.28		0.15	1.69		
	Stair Case Landing		1	6.00		0.15	0.90		
						Total Qty	16.29	732.24	11,925.99
25	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.No:4.34, P.No:16, SR 2016-17)								
	ward Office								
	Plinth Beam								
	PB 1 Wall		1	58.63		0.90	52.77		
	Lintel Beam								
	Wall		1	48.66		0.40	19.46		
	Head Room	Sqm	1	15.28		0.40	6.11		
	Roof Beam								
	Beam 1 Wall		1	58.63		0.90	52.77		
	Beam 2 staircase		1	2.00		0.70	1.40		
	Beam 3		1	15.28		0.80	12.22		
						Total Qty	144.73	276.48	40,016.06
26	KSRB 4-6.10 Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.No:4.37, P.No:16, SR 2016-17)								
	ward Office								
	Chajja								
	Door D		2	1.20	0.60		1.44		
	Window W		5	1.80	0.60		5.40		
	Ventilator V	Sqm	1	1.10	0.60		0.66		
	Chajja Side								
	Door D		2	2.40		0.15	0.72		
	Window W		5	3.00		0.15	2.25		
	Ventilator V		1	2.30		0.15	0.35		
						Total Qty	10.82	291.60	3,153.65
27	KSRB 4-6.11 Providing and removing centering, shuttering, strutting, gqm propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (I.tm No.4.38, P.No.16, SR:2016-17)								
	ward Office								
	Stair Case								
	Waste Slab for Stair Case (including 2 Flight)	Sqm	2	2.86	1.00		5.72		
	Steps for Stair Case		20	1.00		0.20	4.00		
	Edge		2	2.86		0.30	1.72		
						Total Qty	11.436	513.00	5,866.67
28	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500 (I.No:4.46, P.No:17, SR 2016-17)								
	ward Office								
	Steel								
	For One Cum 140Kgs of Concrete Qty Sl no 13	Tonne	1	7.38			7.38		
	For One Cum 140Kgs of Concrete Qty Sl no 16		1	5.19			5.19		
	For One Cum 60Kgs of Concrete Qty Sl no 17		1	0.45			0.45		
						Total Qty	13.02	65455.56	852081.16

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No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
29	KSRB 6-6.1 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 7.5Newton per sqmm (Machine moulded Wirecut bricks) with cement mortar 1:8 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 (Item No.6.22, Page No.28, SR: 2016-17)								
	ward Office								
	Wall	Cum	1	48.66	0.23	2.90	32.46		
	Head Room		1	15.28	0.23	2.90	10.19		
	Parapet Wall		1	43.70	0.23	0.75	7.54		
						Total Qty	**50.19**		
	Deduction								
	Door D		3	1.00	0.23	2.10	1.45		
	Window		6	1.50	0.23	1.20	2.48		
	Ventilator V		1	0.90	0.23	0.45	0.09		
						Total Qty	**4.03**		
						Total Qty	**46.16**	**11716.92**	**540853.96**
30	KSRB 9.4-1 : Providing Honne wood frames of Door Ds, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 (I.No:9.11, P.No:51, SR 2016-17)								
	ward Office								
	Door D	Cum	3	6.60	0.10	0.08	0.16		
						Total Qty	**0.16**	**111083.40**	**17,595.61**
31	KSRB 9-13-1: Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 18mm thick of exterior grade Melamine impregnated prelamination particle board of approved colour on both sides including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, 9.26.4 (I.No:9.34, P.No:53, SR 2016-17)								
	ward Office								
	Door	Sqm	3	1.00		2.10	6.30		
						Total Qty	**6.30**	**3889.08**	**24501.20**
32	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raui plugs, or teak wood gatties including cutting masonry or concrete and making good the originai surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. (I.No:7.10.2, P.No:33, SR 2016-17)								
	ward Office								
	Window	Sqm	6	1.50		1.20	10.80		
	Ventilator V		1	0.90		0.45	0.41		
						Total Qty	**11.21**	**4209.84**	**47171.26**
	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (I.No:7.9, P.No:32, SR 2016-17)								
	ward Office								
	Window	Kgs	6	1.50		1.20	10.80		
	Ventilator V		1	0.90		0.45	0.41		
	Total Qty in Kgs (Qty in Sqm *21kg/Sqm)						**11.21**		
						Total Qty	**235.31**	**84.24**	**19822.09**

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
34	KSRB 15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. (I.No:15.19, P.No:114, SR 2016-17)								
	ward Office								
	Out Side								
	Room 1								
	Room 2								
	Head Room		1	24.04		3.80	91.35		
	Parapet Wall		1	20.76		3.80	78.89		
			1	15.28		3.80	58.06		
	Deduction	Sqm	2	43.70		0.70	61.18		
	Door					**Total Qty**	**289.48**		
	Window W		3	1.00		2.10	6.30		
	Ventilator V		6	1.50		1.20	10.80		
			1	0.90		0.45	0.41		
						Total Qty	**17.51**		
						Total Qty	**271.98**	252.72	68734.53
35	KSRB15-3.7 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(I.No:15.16, P.No:114, SR 2016-17)								
	ward Office								
	In Side								
	Room 1								
	Toilet		1	14.38		3.50	50.33		
	Staircase Room		1	9.82		3.50	34.37		
	Room 2		1	9.74		3.50	34.09		
	Head Room		1	18.78		3.50	65.73		
	Stair Case		1	15.00		3.50	52.50		
	Waste Slab for Stair Case(including 2 Flight)								
	Landing		2	2.86	1.00		5.72		
	Steps for Stair Case	Sqm	1	2.00	1.00		2.00		
	Edge		20	1.00		0.19	3.80		
			2	2.86		0.30	1.72		
	Deduction					**Total Qty**	**250.26**		
	Door								
	Window W		3	1.00		2.10	6.30		
	Ventilator V		6	1.50		1.20	10.80		
			1	0.90		0.45	0.41		
						Total Qty	**17.51**		
						Total Qty	**232.75**	238.68	55553.01
36	KSRB 15-3-13 : Providing 12mm thick cement piaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. (I.No:15.21, P.No:114, SR 2016-17)								
	ward Office								
	Chejja								
	Door								
	Window W		6	1.20	0.60		4.32		
	Ventilator V	Sqm	10	1.80	0.60		10.80		
	Roof Slab		2	0.90	0.60		1.08		
	Roof Slab								
	Roof Slab Head Room		1	19.60	6.00		117.60		
			1	4.10	6.00		24.60		
						Total Qty	**158.40**	208.44	33016.90
37	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications. (I.No:14.47.1, P.No:107, SR 2016-17)								
	ward Office								
	Flooring								
	Room 1								
	Staircase Room		1	3.65	3.54		12.92		
	Passage		1	3.87	2.00		7.74		
	Room 2		1	4.27	3.54		15.12		
	Skirting		1	5.85	3.54		20.71		
	Room 1								
	Room 1Entrance		1	14.38		0.15	2.16		
	Staircase Room	Sqm	1	10.28		0.15	1.54		
	Passage		1	11.74		0.15	1.76		
	Room 2		1	7.00			7.00		
			1	18.78		0.15	2.82		

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Stair Case (2 No's)								
	Landing		1	2.00	1.00		2.00		
	Thred		20	1.00	0.25		5.00		
	Rise		20	1.00		0.17	3.40		
						Total Qty	**82.16**	**2828.52**	**232399.12**
38	KSRB 14.14-5: Providing Ceramic tiles of 400 x 400mm on a bed of 20mm thick approved make,shade and size for Mooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, completeas per specifications. Specification No. KBS(I.No:14.36.3, P.No:106, SR 2016-17)								
	ward Office								
	Flooring								
	Toilet	Sqm	1	3.60	1.31		4.72		
	Wall								
	Toilet		1	9.02		2.10	18.94		
						Total Qty	**23.66**	**1272.24**	**30,098.65**
39	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (I.No:15.33, P.No:115, SR 2016-17)								
	ward Office								
	In Side Plaster Qty	Sqm					232.75		
	Celling Plaster Qty						158.40		
						Total Qty	**391.15**	**27.00**	**10561.08**
40	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. Area to be considered - (a) 100% for fresh surface (b) Upto 10 % for repainting (I.No:15.106, P.No:126, SR 2016-17)								
	ward Office								
	In Side Plaster Qty	Sqm					232.75		
	Celling Plaster Qty						158.40		
						Total Qty	**391.15**	**60.48**	**23656.81**
41	KSRB 15-15.1 : Providing and applying painting with primer in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.(P.No-117 ,I No-15.51.2 of KPWD S.R 2016-17)								
	ward Office								
	In Side Plaster Qty	Sqm					232.75		
	Celling Plaster Qty						158.40		
						Total Qty	**391.15**	**97.20**	**38019.88**
42	KSRB 15-15.2 : Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications.(P.No-117 ,I No-15.51.3 of KPWD S.R 2016-17)								
	ward Office								
	In Side Plaster Qty	Sqm					232.75		
	Celling Plaster Qty						158.40		
						Total Qty	**391.15**	**4.32**	**1689.77**
43	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges etc., complete as per directions of theEngineer-in-charge of the work. (P.No-125 ,I No-15.11 of KPWD S.R 2016-17)								
	ward Office								
	Out Side Plaster Qty	Sqm					271.98		
						Total Qty	**271.98**	**375.84**	**1,02,220.59**

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Sl. No	Description of Work	Unit	No	Dimenalon L	B	D	Quantity	Rate in Rs.	Amount in Rs.
44	KSRB 15-17.4 : Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. (I.No:15.58, P.No:119, SR 2016-17)								
	ward Office								
	For frame								
	Door	Sqm	5	6.60	0.26		8.58		
	For Shutter								
	Door		5	1.00	2.10		10.50		
						Total Qty	19.08	33.48	638.80
45	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (I.No:15.60.1, P.No:119, SR 2016-17)								
	ward Office								
	For frame								
	Door	Sqm	3	6.60	0.26		5.15		
	For Shutter								
	Door		6	1.00	2.10		12.60		
						Total Qty	17.75	90.72	1610.10
46	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (I.No:15.74, P.No:121, SR 2016-17)								
	ward Office								
	Windows W Gril	Sqm	12	1.50		1.2	21.60		
	Windows W Gril		2	0.90		0.45	0.81		
						Total Qty	22.41	88.56	1984.63
47	KSRB 15.8.1 Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications, (length of mesh only be measured for payment) (I.No:15.35, P.No:115, SR 2016-17)								
	ward Office								
	Column	M	24	3.00			72.00		
	Beam		4	55.00			220.00		
						Total Qty	292.00	38.88	11352.96
48	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (I.No:34.13, P.No:254, SR 2016-17)								
	ward Office								
	Out Side	Sqm	1	49.00		0.45	22.05		
						Total Qty	22.05	105.84	2333.77
49	FIXTURS								
	0188 Hinges 5" heavy duty	Each	159				159.00	39.96	6,353.64
	0427 Tower bolt 300 mm long		62				62.00	129.60	8,035.20
	Providing Screws		300				300.00	3.24	972.00
	0220 Locking arrangements		3				3.00	702.00	2,106.00
50	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc.,complete as per specifications.								
	ward Office								
	Stair Case Railings	Sqm	2	2.90	1.10		6.38		
						Total Qty	6.38	6638.76	42355.29
51	KSRB 0.5-3.1: Providing lime surkhi mortar of mix 1:3 (1 lime putty : 3 surkhi) including cost of all materials, labour charges, HOM of machin3ry complete as per specifications. Specification No. KBS(Page No.-2 I.No-1.14 of KPWD S.R 2016-17)								
	ward Office								
	Surkhi For Roof	Cum	1	19.60	6.00	0.04	4.70		
						Total Qty	4.70	3061.80	14402.71

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
52	Providing and fixing M.S. Gate as per Chief Architect Drawing, complete. All the steel surface should bethoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for ail items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification.								
	ward Office								
	Gate for Passage Area	Sqm	1	4.27		2.20	9.39		
						Total Qty	**9.39**	12475.00	117190.15
53	Providing full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification(Page No.-108 I.No-14.55 of KPWD S.R 2016-17)								
	ward Office								
	Skirting								
	Room 1	M	1	14.38			14.38		
	Room 1Entrance		1	10.28			10.28		
	Staircase Room		1	11.74			11.74		
	Passage		1	7.00			7.00		
	Room 2		1	18.78			18.78		
	Stair Case (2 No's)								
	Landing		1	2.00			2.00		
	Thred		20	1.00			20.00		
						Total Qty	**84.18**	257.04	21637.63
	Plumbing Work for Ward Office								
54	KSRB 11-4 : Providing and fixing white vitreous china clay, water pan closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labourcomplete as per specifications. Specification No. KBS 11(I.tm No.12.4, P.No.77, SR:2016-17)								
	Toilets	Pan	1				1.00		
						Total Qty	**1.00**	2333.88	2333.88
55	SRB 11-11.2 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a single 15mm C.P brass pillar tap with C.I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11(I.tm No.12.24, P.No.81, SR:2016-17)								
	Wash Basin	Unit	1				1.00		
						Total Qty	**1.00**	3247.56	3247.56
56	0114 Copper plated brass piller tap(I.tm No.649, P.No.XXII, SR:2016-17)								
	Tap	Each	4				4.00		
						Total Qty	**4.00**	270.00	1080.00
57	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C, top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS(I.tm No.11.5, P.No.73, SR:2016-17)								
	Chamber	Nos	2				2.00		
						Total Qty	**2.00**	7604.28	15208.56
58	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the wallsetc.)								
	20mm Pipe(I.tm No.13.86.2, P.No.96, SR:2016-17)	M	1	20.00			20.00	226.80	4536.00
	25mm Pipe(I.tm No.13.86.3, P.No.96, SR:2016-17)		1	20.00			20.00	270.00	5400.00
	32mm Pipe(I.tm No.13.86.4, P.No.96, SR:2016-17)		1	20.00			20.00	334.80	6696.00

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
59	roviding and fixing to wall, ceiling and floor unplasticised PVC 110 mm Dia 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications.(I.tm No.12.116.1, P.No.88, SR:2016-17)								
	Rain Water pipe	M	4	3.50			14.00		
						Total Qty	14.00	444.96	6229.44
60	Providing and fixing unplasticised PVC with 110mm outer dia pipes 10.00 kg/sq.cm working pressure chemp plast I Wavin or equivalent make with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM of equipment and testing complete as per specifications.(I.tm No.11.56.2, P.No.75, SR:2016-17)								
	Sanitary Pipe	M	1	50.00			50.00		
						Total Qty	50.00	743.04	37152.00
61	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 :1996 with manhole lid and suitable locking\ arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per spedfications.(For1000 litre capacity) Specification No.KBS 13.22.(I.tm No.13.78, P.No.94, SR:2016-17)								
	Terrace Tank	Nos	1				1.00		
						Total Qty	1.00	9144.36	9144.36
62	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular Unit shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. _ (.(I.tm No.12.41, P.No.82, SR:2016-17)								
	Toilet Mirror	Unit	1				1.00		
						Total Qty	1.00	1274.40	1274.40
63	KSRB 11-16: Providing and fixing 600x120mm glass shelf supported on aliuminium angle frame with C.P brass brackets, guard rail fixed to wooden cleats with C.P. brass screws and washers including cost of materials, labour complete as per specifications.(I.tm No.12.44, P.No.83, SR:2016-17)								
	Toilet	Unit	1				1.00		
						Total Qty	1.00	1317.60	1317.60
64	KSRB 11-18-10.1 : Providing and fixing sand cast iron soil waste double unequal junction of required degree 100x100x75x75mm, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10(I.tm No.12.72, P.No.85, SR:2016-17)								
	Toilet	Each	1				1.00		
						Total Qty	1.00	1273.32	1273.32
65	Providing and fixing CI Nahani trap of 12.5cms X 7.5cms approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot).(I.tm No.12.72, P.No.85, SR:2016-17)								
	Toilet	Each	1				1.00		
						Total Qty	1.00	307.80	307.80
66	KSRB13-6.4-1 : Providing and fixing in position brass ball valve high or Each low pressure with plastic float of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.(I.tm No.13.41, P.No.92, SR:2016-17)								
	Toilet	Each	1				1.00		
						Total Qty	1.00	442.80	442.80
	Electricals Work for Ward Office								
67	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.19/20mm dia 2mm thick(P.No-2 ,I No-1.2.1 of PWD S.R 2014-15)								
	PVC conduit pipe 9/20mm	Rmt	1	300.0			300.00	43.0	12,900.00
68	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.a)25mm dia 2 mm thick(P.No-2 ,I No-1.2.2 of PWD S.R 2014-15)								
	PVC conduit pipe 25mm	Rmt	1	200.0			200.00	57.0	11,400.00

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
69	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.19/20mm dia 2mm thick (P.No-2 ,I No-1.3.1 of PWD S.R 2014-15)								
	PVC conduit pipe 9/20mm	Rmt	1	250.0			250.00	56.0	14,000.00
70	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2.mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.a)25mm dia 2 mm thick (P.No-2 ,I No-1.3.2 of PWD S.R 2014-15)								
	PVC conduit pipe 25mm	Rmt	1	80.0			80.00	58.0	4,640.00
71	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 32mm dia 2.5mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.32mm dia 2.5 mm thick(P.No-2 ,I No-1.3.3 of PWD S.R 2014-15)								
	PVC conduit pipe 32mm	Rmt	1	20.0			20.00	88.0	1,760.00
72	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of (,I No-2.5 of PWD S.R 2014-15)								
	Group-A.								
	1.0 Sqm	Rmt	1	300.0			300.00	13.00	3,900.00
	1.5Sqm		1	800.0			800.00	18.60	14,880.00
	2.5Sqm		1	250.0			250.00	29.20	7,300.00
	4.0Sqm		1	100.0			100.00	42.10	4,210.00
	10.0Sqm		1	20.0			20.00	108.00	2,160.00
73	Point wiring using Copper wire without switch.Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose lenght in a wood/PVC round block. complete for each outlet.(5/2.3)(,I No-2.3 Pg No. 5of PWD S.R 2014-15)								
	Using class A materials								
	Short point up to 3mtrs from tapping point to out let via switch	Each Point	1	8.00			8.00	144.00	1,152.00
	Medium point a above 3mtr up to 6mtr from tapping point to out let via switch		1	8.00			8.00	215.00	1,720.00
	Long point a above 6mtr up to 10mtr from tapping point to out let via switch		1	10.00			10.00	334.00	3,340.00
74	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898.5-32Amps DP								
	5-32Amps DP MCB (,I No-6.15.5 of PWD S.R 2014-15)	Nos	1	3.00			3.00	849.0	2,547.00
	5-32Amps SP MCB (,I No-6.15.1 of PWD S.R 2014-15)		1	6.00			6.00	418.0	2,508.00
	32-40A FP ELMCB (,I No-6.17.3 of PWD S.R 2014-15)		1	1.00			1.00	2936.0	2,936.00
	16-25A DP ELMCB (,I No-6.17.1 of PWD S.R 2014-15)		1	1.00			1.00	2412.0	2,412.00
75	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure,III-Single Door.Group A12Way SP &N (,I No-6.17.3. P no- 47 of PWD S.R 2014-15)								
	MCB distribution boards	Nos	1	1.00			1.00	1047.0	1,047.00
76	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mounting using required clamps, bolts, nuts etc. with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with power coated painting etc., complete: Double door: 6 way TP &N , Group (A)(,I No-6.17.8 of PWD S.R 2014-15)								
	MCB distribution boards	Nos	1	1.00			1.00	2867.0	2,867.00

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
77	Supply and fixing of bakelite D.P/Socket/ switch with/without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 Group-A.32Amps Flush/projected types DP switch								
	Group-A								
	Electronic stepped regulator (,I No-3.3.10 of PWD S.R 2014-15)	Nos	1	35.00			35.00	172.0	6,020.00
78	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plateas per IS 3854 and IS 1293 Group "A" materials k) TV/Telephone socket (8/18)(,I No-3.7.11 P no- 16of PWD S.R 2014-15)								
		Nos	1	1.00			1.00	82.0	82.00
79	Supplying and fixing a drop light one PBBC/bakelite pendent holder,PVC insuleated twin twisted copper wire of 10/0.3mm length upto 1000 mm,one of 60/100 watts lamp of 230 volts grade and one of 5 amps bakelite ceiling rose fixed on the existing wooden block of the outlet Group- A (Page No - 20 ,I No-4.1 of PWD S.R 2014-15)								
	drop light	Nos	1	10.00			10.00	121.0	1,210.00
80	Supplying and fixing PBBC bakelite straight or slant batten holder and wiring within 60w/230 volts Lamps Group "A" (Page No - 20 ,I No-4.2 of PWD S.R 2014-15)								
	PBBC bakelite straight	Nos	1	10.00			10.00	88.0	880.00
81	Supply patti type fluorescent tube light fitting of 4'- 28 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with HF Electronic Ballast,locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 Volts A C Supply including T5 lamp Group - A(Page No - 20,I No-4.6 of PWD S.R 2014-15)								
	fluorescent tube light	Nos	1	1.00			1.00	669.0	669.00
82	Supplying of recessed/surface mount aesthetic 2'x2' modular luminaries made out of single piece powder coated CRCA sheet steel accommodating all electrical accessories like Energy Saving Electronic Ballast suitable to operate on 230V 50Hz AC supply with 2x36Watts PLL-compact fluorescent lamp, pre-wired up to terminal block with bright anodized aluminum reflector & P5 paralite louvers with spring loaded plastic toggles complete.2x36 Watts Group - A(Page No - 21, I No-4.11.1 of PWD S.R 2014-15)								
	surface mount aesthetic	Nos	1	8.00			8.00	4755.0	38,040.00
83	Fixing all types and all capacities of fluorescent/false ceiling/spot light/CFL fittings indoor on the wall / ceiling/ rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps . On wall/ceiling/Rafter/Girders(Page No - 108, I No-17.7.1 of PWD S.R 2014-15)								
	capacities of fluorescent	Nos	1	10.00			10.00	98.0	980.00
84	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved. 48" Sweep (1400mm) a.Regular model (23/23)(Page No - 78, I No-9.3.1 of PWD S.R 2014-15)								
	ceiling fan	Nos	1	4.00			4.00	2376.0	9,504.00
85	Supply and fixinjg metal fan box with round hook(Page No - 115, I No-17.9 of PWD S.R 2014-15)								
	metal fan box	Nos	1	15.00			15.00	72.0	1,080.00
86	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate.. Is 3854 and IS 1293. (16/3.7) (Page No - 16, I No-3.7of PWD S.R 2014-15)								
	6Amps SP Switch (I No-3.7.1 of PWD S.R 2014-15)	Nos	1	20.0			20.00	63.0	1,260.00
	6Amps 3way 5 pin socket (I No-3.7.3 of PWD S.R 2014-15)		1	10.0			10.00	95.0	950.00
	16Amps SP Switch (I No-3.7.7 of PWD S.R 2014-15)		1	50.0			50.00	114.0	5,700.00
	16Amps 3way 5 pin Socket (I No-3.7.10 of PWD S.R 2014-15)		1	8.0			8.00	147.0	1,176.00
	32Amps Flush/projected types DP switch (I No-3.7.9 of PWD S.R 2014-15)		1	2.0			2.00	164.0	328.00

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
87	Supplying and flush mounting powder coated metal / galvanised metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (15/3.5)(I No-3.5of PWD S.R 2014-15)								
	1-3Way(I No-3.5.1of PWD S.R 2014-15)	Each	1	8			8.00	91.00	728.00
	4-5Way (I No-3.5.2of PWD S.R 2014-15)		1	2			2.00	98.00	196.00
	6Way (I No-3.5.3of PWD S.R 2014-15)		1	3			3.00	121.00	363.00
	8Way (I No-3.5.4of PWD S.R 2014-15)		1	1			1.00	140.00	140.00
	10-12Way (I No-3.5.5of PWD S.R 2014-15)		1	1			1.00	159.00	159.00
	16Way (I No-3.5.6of PWD S.R 2014-15)		1	2			2.00	172.00	344.00
88	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(15/16/3.6) (I No-3.6, P. no - 16 of PWD S.R 2014-15)								
	1 to 3 Module (I No-3.6.1of PWD S.R 2014-15)	Each	1	8			8.00	109.00	872.00
	4Moudule (I No-3.6.2 of PWD S.R 2014-15)		1	2			2.00	122.00	244.00
	6Moudule (I No-3.6.3 of PWD S.R 2014-15)		1	3			3.00	173.00	519.00
	8Moudule (I No-3.6.4 of PWD S.R 2014-15)		1	1			1.00	200.00	200.00
	10Moudule (I No-3.6.5 of PWD S.R 2014-15)		1	1			1.00	227.00	227.00
	12Moudule (I No-3.6.6 of PWD S.R 2014-15)		1	2			2.00	267.00	534.00
89	Supplying and fixing PVC/metal conduit accessories.(2/1.5)(I No-1.5of PWD S.R 2014-15)								
	deep junction box								
	19/20mm junction box(I No-1.5.1of PWD S.R 2014-15)	Each	1	25			25.00	47.00	1,175.00
90	Supplying wall mounting fan suitable to operate at single-phase 230 V A.C. supply,(84/9.4)(I No-9.4 of PWD S.R 2014-15)								
	400mm Sweep(I No-9.4.3 of PWD S.R 2014-15)	Each	1	3			3.00	2534.00	7,602.00
91	Supplying and fixing of class A (medium duty)GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arraingements for UG cable of 1.1KV class.40mm(I No-7.12.1, P no - 62 of PWD S.R 2014-15)								
	GI pipe	Rmt	1	12			12.00	345.00	4,140.00
92	Spplying, fixing ,wiring, earth electrode for grounding conduits, I C cutouts and other equipments on the meter board using 40mm dia 2.9mm thick GI pipe 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connectionh from the pipe to the conduit etc, is to be established through GI wire of size as per ISI Specification 7.3.3. of IS 732 using 12mm dia bolts, nuts,wahers anfd check nuts etc,the pipe shall have 16 through hole of 122 mm dia(68/1)(I No-7.1, PageNo - 55 of PWD S.R 2014-15)								
	wiring	Nos	1	1			1.00	2727.00	2,727.00
93	Suppling and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps,nails,guttas/spacers. GI Wire c) 8SWG(I No-22.3, PageNo-64 of PWD S.R 2014-15)								
	GI/Copper conductor	Rmt	1	20			20.00	19.50	390.00
94	Supplying tinned copper lugs crimping and wiring to terminal point for wire of the following sizes.2.5sqmm.(Page No. 64, I No-7.21.2 of PWD S.R 2014-15)								
	copper lugs crimping	Nos	1	25			25.00	3.12	78.00
95	Supplying tinned copper lugs crimping and wiring to terminal point for wire of the following sizes.-35Sqmm Long Barrel(PageNo. 64, I No-7.21.8 of PWD S.R 2014-15)								
	copper lugs crimping	Nos	1	2			2.00	35.72	71.44
96	Supplying surface mounted type mirror optic luminaries for single/Twin 28watts fluorescent lamps cross rising of stove enameled deep coloured M.S.low profile housing complete with all accessories and high purity anodized aluminum reflector assembling along with cross louvers including necessary fluorescent tubes with Energy Saving Electronic Ballast. (21/4.9)(I No-4.9.2, PageNo- 21 of PWD S.R 2014-15)								
	2x4'-28 Watts Group 'A'(I No-4.9.3 of PWD S.R 2014-15)	Each	1	8			8.00	4028.00	32,224.00
	2x4'-28 Watts Group 'A'(I No-4.9.1 of PWD S.R 2014-15)		1	2			2.00	2743.00	5,486.00
97	Supply box type suitable for 20W T5 single/twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast, push fit type lamp holder & main connectores. Channel cover shall be made of CRCA MS Sheet and finishing is done with stove enamelled whith end caps made of engineering plastic. (20/4.7)(I No-4. 7 of PWD S.R 2014-15)								
	1x4'-28 Watts(I No-4.7.1 of PWD S.R 2014-15)	Each	1	2			2.00	990.00	1,980.00

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	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
98	Supplying CFL mirror light fitting with 2x11W CFL lamp, choke, Perspex cover and completely wired for use on 230V 50Hz AC (25/4.25)(I No-4.23, PageNo- 24 of PWD S.R 2014-15)								
	Group 'A'(I No-4.23.1 of PWD S.R 2014-15)	Each	1	1			1.00	648.00	648.00
99	**Bore well**								
	Geophysical investigation of site for sinking borewell for supplying drinking water to the habition either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting vennur or schiumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity and acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including trasportation of instruments and accessories to work site, engaging technical personal and labour required etc (P.NO-47, I.NO-9.4, PRED 12-13 SR)								
		Nos	1				1.00		
							Total Qty **1.00**	**1882.00**	**1882.00**
100	Sinking of borewell of 165mm clear using super fast hydraulic rig of capacity 250 PSIG & above 900 MCF & above in all strata including over burden upto 22m, fixing of casing pipes, collars and cap with necessary cutting and threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables, etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars and cap etc.,) (PRE SR 2012-13, Page No.36, item No.9.1)								
	0.00 to 50.00 Mtr.	m	1	50.00			50.00	306.00	15300.00
	50.00 to 100.00 Mtr.		1	50.00			50.00	400.00	20000.00
	100.00 to 150.00 Mtr.		1	50.00			50.00	445.00	22250.00
	150.00 to 200.00 Mtr.		1	50.00			50.00	470.00	23500.00
	200.00 to 250.00 Mtr.		1	50.00			50.00	544.00	27200.00
	250.00 to 300.00 Mtr.		1	50.00			50.00	583.00	29150.00
01	Supply of ISI mark 175mm nominal Bore, Plain end Steel casing pipe grade of steel Fee 410 of wall thickness 5.4mm thick conforming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1378/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mtrs. both ends threads conforming to IS 554/1985, one end fixed with socket confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. (inclusive of all taxes and duties) Prices include collar medium duty. (PRE SR 2012-13, Page No.ii item No.53								
		Rmt	1	30.00			30.00		
							Total Qty **30.00**	**1325.00**	**39750.00**
2	Providing Borewell Collars 175mm dia (Material Component P. No.11/I.55)								
		Each	1	8.00			8.00		
							Total Qty **8.00**	**150.00**	**1200.00**
	Providing Borewell Cap 175mm Dia (Material Component P. No.11/I.54)								
		Each	1	1.00			1.00		
							Total Qty **1.00**	**100.00**	**100.00**
	Supply and delivery of galvanized mild steel tubes heavy class (B-class) conforming to IS 1239-1979 part I/1979 with latest amendments with ISI Mark haeavy duty collar and other end fitted with protective cover 50mm dia.(Material Component Sl No. 509, KPWD SR 2016-17)								
		Rmt	1	245.00			245.00		
							Total Qty **245.00**	**321.00**	**78645.00**
	Providing Borewell Collars 50 mm dia (Material Component)								
		Each	1	60.00			60.00		
							Total Qty **60.00**	**125.00**	**7500.00**
	Supplying of Submersible Three Phase Pumpset for borewell of approved make ATLANTA, SUGUNA, C.R.I., KIRLOSKAR and other equivalent pumps. 10 HP /7.5KW 20 stages (Rate List of Materials Sl No. 21 P No. XXXXII, KPWD SR 2016-17)								
		Each	1	1.00			1.00		
							Total Qty **1.00**	**50100.00**	**50100.00**
	Erection of pumpset including aligning and balancing with all necessary erection material and labour including supply and errection of two pair of supporting clamps borewell cap, cable clips, GI pipe and transportation GI pipe from Centrla Stores to site 50mm dia GI pipe will be spplied by Departmentally at free of cost								
		Nos	1	1.00			1.00		
							Total Qty **1.00**	**3900.00**	**3900.00**

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
08	Supply and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS 8130-1984 and latest amendments of IS 694/1990 and Virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts.1 x 3 x 4 sqmm (P.No 535, I.No 30 (c) Group A BWSSB 2013-14 SR)								
		Rmt	1	270.00			270.00		
						Total Qty	270.00	164.29	44358.30
109	Supplying of LTUG cable having aluminium conductor PVC insulated sheeted galvanized steel wire tape armoured cable with PVC other sheating 101 KV class 4 core 16sqmm.including laying charges (P.No 553, I.No 10 (d) BWSSB SR 2013-14)								
		Nos	22				22.00		
						Total Qty	22.00	169.95	3738.90
110	Supplying & fixing LT Iron pot heads suitable for 1.1KV class UG Cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts and nuts and washers etc., 4 core 16 sqmm. (P.No 555, I.No 16 (b) BWSSB SR 2013-14)								
		Nos	1				1.00		
						Total Qty	1.00	271.92	271.92
111	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. 65mm. (P.No 555, I.No 15 (b) BWSSB SR 2013-14)								
		Rmt	1	7.00			7.00		
						Total Qty	7.00	249.26	1744.82
112	Supplying, fixing, wiring, earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia. 2.90mm thick GI pipe 2.5mtr. long buried in a pit. The Pit should be filled with equal proportion of salt and charcoal 150mm allround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 120mm dia. bolt, nuts, washers and checknuts etc., the pipe shall have 16 through of 122mm dia								
		Nos	1				1.00		
						Total Qty	1.00	1650.00	1650.00
113	Gun Metal 50mm Non Return Vavle of Horizental type of PWD SR 2016-17 pg no. XXIII Item No. 658								
		Each	1	1.00			1.00		
						Total Qty	1.00	1213.70	1213.70
114	Supplying and fixing polished wood board made of not less than 15mm thick on both sides with made out of not more than 2 piece and fixing the same to the wall using tapered inverted wooden plugs screws etc., 500 x 500 x 65mm (20'x20'x5") .(P.No 521, I.No 2 (f) BWSSB SR 2013-14)								
		Each	1	1.00			1.00		
						Total Qty	1.00	311.58	311.58
115	Supplying and fixing MCB on existing MCB distribution board using necessary materials and wiring complete as required 32 amps.(P.No 526, I.No 13D (a) BWSSB SR 2013-14)								
		Each	1.0	1.00			1.00		
						Total Qty	1.00	906.40	906.40
116	Supplying and fixing one of the fuse cut outs having porcelain base approved quality on the existing wooden block and wiring complete 16amps.								
		Each	1	3.00			3.00		
						Total Qty	3.00	231.00	693.00
117	Shunt capacitor conforming to IS 2843, 3 phases 400/400 Volts grade for power factor improvements of rotating machinery.								
		Each	1	1.00			1.00		
						Total Qty	1.00	1350.00	1350.00
118	Fixing of shunt capacitor with necessary clamps bolts and nuts to existing wooden meter boards including banking of more than the capacitor.								
		Each	1	1.00			1.00		
						Total Qty	1.00	100.00	100.00

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
119	Servicing the installation by applying to the concerned BECSOM authorities including fixing of energy meter as per the procedure of BESCOM								
		No.s	1	1.00			1.00		
						Total Qty	1.00	10000.00	10000.00
120	3001 PVC Pipes 10KG/Sqcm 90mm outerdia Page no. XXXI Item No. 902								
		M	1	20.00			20.00		
						Total Qty	20.00	350.00	7000.00
								Sub Total	46,72,868.60
								Design Report,Proof Checking & PMC Amount	93,457.37
								Tender Premium 5%	2,33,643.43
								Sub Total	49,99,969.40
								Miscellaneous & Rounding Off	30.60
								Grand Total	50,00,000.00

Certificate:-

1. The work spot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS BANGALORE-90

Consultants
For Sri Sai Consultants

Assistant Engineer
Ward No.13
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

ನಂ: 09 ದಿನಾಂಕ: 22.10.17
ರೂ: 50,00,000:ಗೆ [fifty lakh only]
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯೋಜನಾ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ನಂ.CE/TS/257/12-ದಿನಾಂಕ: 04/11/2017
ರೂ. Rs. 50.00 lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

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